

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A composite non-powered luminous panel comprising:

a first planar, non-conducting, light transmissive material that includes glass;

a second planar, non-conducting, light transmissive material that includes glass; and

a continuous planar layer of luminous material located between and in contact with ~~and extending substantially the length of~~ the first and second planar light transmissive materials, wherein the luminous material includes a light transmissive resinous material containing a suspension of luminescent particles.

2. (Previously Presented) The non-powered composite luminous panel of according to claim 1 wherein the layer of luminous material contains about 50 grams of the luminescent particles per 1000cc of the light transmissive resinous material.

3. (Currently Amended) ~~The non-powered composite luminous panel according to claim 1~~ A composite non-powered luminous panel comprising:

a first planar light transmissive material that includes glass;

a second planar light transmissive material that includes glass; and

a continuous planar layer of luminous material located between the first
and second planar light transmissive materials, wherein the luminous material includes
a light transmissive resinous material containing a suspension of luminescent particles,
wherein the continuous layer of luminous material has a thickness in the
range of 0.010 to 0.150 inches.

4. (Currently Amended) ~~The non-powered composite luminous panel~~
~~according to claim 1~~ A composite non-powered luminous panel comprising:

a first planar light transmissive material that includes glass;
a second planar light transmissive material that includes glass; and
a continuous planar layer of luminous material located between the first
and second planar light transmissive materials, wherein the luminous material includes
a light transmissive resinous material containing a suspension of luminescent particles,
wherein the resinous material comprises a clear polyester or styrene resin.

5. (Currently Amended) ~~The non-powered composite luminous panel~~
~~according to claim 1~~ A composite non-powered luminous panel comprising:

a first planar light transmissive material that includes glass;
a second planar light transmissive material that includes glass;
a continuous planar layer of luminous material located between the first
and second planar light transmissive materials, wherein the luminous material includes
a light transmissive resinous material containing a suspension of luminescent particles;
and

_____indicia printed on the luminous panel.

6. (Original) The non-powered composite luminous panel according to claim 1 wherein the luminous particles are comprised of $MO \cdot a(Al_{1-b}B_b)_2O_3 \cdot cR$ wherein: $0.5 \leq a \leq 10.0$, $0.0001 \leq b \leq 0.5$ and $0.01 \leq c \leq 0.2$, MO represents at least one divalent metal oxide selected from the group consisting of MgO, CaO, SrO and ZnO and R represents Eu and at least one additional rare earth element selected from the group consisting of Pt, Nd, Dy and Tm.

7. (Previously Presented) The non-powered composite luminous panel according to claim 1 wherein the luminescent particles are comprised of a sinter expressed by a general formula $MO \cdot (n-x)\{aAl_2O_3^a \div (1-a)Al_2O_3^y\}B_2O_3 \cdot R$ wherein M represents an alkaline earth metal, R represents a rare earth element, $0.5 < a \leq 0.99$, $0.001 \leq x \leq 0.35$, and $1 \leq n \leq 8$.

8. (Currently Amended) ~~The non-powered composite luminous panel according to claim 1~~ A composite non-powered luminous panel comprising:

_____ a first planar light transmissive material that includes glass;
_____ a second planar light transmissive material that includes glass; and
_____ a continuous planar layer of luminous material located between the first and second planar light transmissive materials, wherein the luminous material includes a light transmissive resinous material containing a suspension of luminescent particles.

_____ wherein the luminous particles comprise a luminescent material which absorbs light from a light source and reemits the light energy in a first wavelength spectrum when the light source is removed mixed with a material selected from the group consisting of fluorescent colorants and optical brighteners which are excited by absorbing light at a first wavelength spectrum and reemitting the absorbed light at a second wavelength spectrum.

9. (Currently Amended) A ~~The~~ composite non-powered luminous panel comprising: of claim 1

~~_____ a first planar light transmissive material;~~
~~_____ a second planar light transmissive material; and~~
~~_____ a continuous planar layer of luminous material located between and extending substantially the length of the first and second planar light transmissive materials, wherein the luminous material includes a light transmissive resinous material containing a suspension of luminescent particles, and wherein a partial or half silvered layer is provided on the exterior surface of at least one of the first planar light transmissive material and the second planar light transmissive material.~~

10. (Previously Presented) The non-powered composite luminous panel according to claim 1 wherein one surface of the second planar light transmissive material is provided with a completely mirrored surface.

11. (Currently Amended) ~~The non-powered composite luminous panel~~
~~according to claim 1~~ A composite non-powered luminous panel comprising:

_____ a first planar light transmissive material that includes glass;
_____ a second planar light transmissive material that includes glass; and
_____ a continuous planar layer of luminous material located between the first
and second planar light transmissive materials, wherein the luminous material includes
a light transmissive resinous material containing a suspension of luminescent particles;
_____ wherein the first and second planar light transmissive materials have a
combined thickness that is greater than 0.0375 inches and less than 1.24 inches.

12. (Currently Amended) ~~A~~ The composite non-powered luminous panel of
claim 11 comprising:

~~_____ a first light transmissive material that includes glass;~~
~~_____ a continuous planar layer of luminous material provided on one side of the~~
~~first light transmissive material, the luminous material including a light transmissive~~
~~resinous material containing a suspension of luminescent particles;~~
~~_____ a second light transmissive material that includes glass, wherein the~~
~~luminous material is located between the first and second light transmissive materials;~~
~~_____ wherein light originating from outer surfaces of the first and second light~~
~~transmissive materials is incident upon the layer of luminous material, wherein the~~
~~continuous layer of luminous material has a thickness in the range of 0.010 to 0.150~~
~~inches and wherein the first and second planar light transmissive materials have a~~
~~combined thickness that is greater than 0.0375 inches and less than 1.24 inches.~~

13. (Currently Amended) The composite non-powered luminous panel of claim ~~12~~11 wherein the luminous material contains about 50 grams of the luminescent particles per 1000cc of the light transmissive resinous material.

14. (Currently Amended) The non-powered composite luminous panel according to claim ~~12~~11 wherein the luminous particles are comprised of $MO \cdot a(Al_{1-b}B_b)_2O_3 : cR$ wherein: $0.5 \leq a \leq 10.0$, $0.0001 \leq b \leq 0.5$ and $0.01 \leq c \leq 0.2$, MO represents at least one divalent metal oxide selected from the group consisting of MgO, CaO, SrO and ZnO and R represents Eu and at least one additional rare earth element selected from the group consisting of Pt, Nd, Dy and Tm.

15. (Currently Amended) The non-powered composite luminous panel according to claim ~~12~~11 wherein the luminescent particles are comprised of a sinter expressed by a general formula $MO \cdot (n-x)\{aAl_2O_3^a \div (1-a)Al_2O_3^y\}B_2O_3 : R$ wherein M represents an alkaline earth metal, R represents a rare earth element, $0.5 < a \leq 0.99$, $0.001 \leq x \leq 0.35$, $1 \leq n \leq 8$.

Please cancel Claims 16-20 without prejudice.